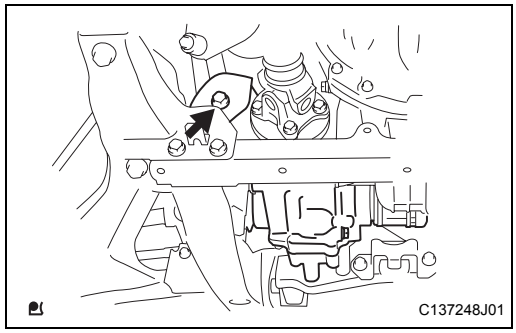
FRONT DIFFERENTIAL CARRIER ASSEMBLY (4WD)

REMOVAL

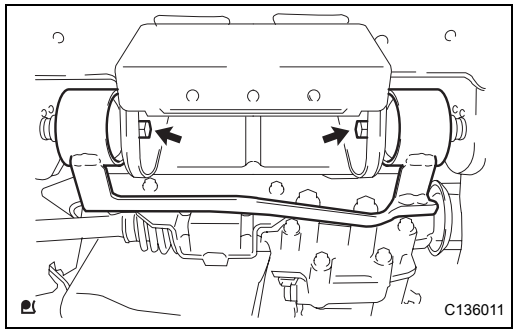
1. **DRAIN DIFFERENTIAL OIL**
   (a) Remove the differential filler plug and gasket.
   (b) Remove the drain plug and gasket and drain the oil.
   (c) Install the drain plug and a new gasket.
   Torque: 30 N*m (306 kgf*cm)
2. **REMOVE FRONT TIRE**
3. **REMOVE ENGINE UNDER COVER**
4. **REMOVE ENGINE UNDER COVER RR RH**
5. **REMOVE ENGINE UNDER COVER RR LH**
6. **REMOVE FRONT AXLE HUB NUT LH(See page DS-5)**
7. **REMOVE FRONT AXLE HUB NUT RH**
   (a) Perform the same procedure for the RH side as for the LH side.
8. **REMOVE TIE ROD END LH (See page DS-5)**
9. **REMOVE TIE ROD END RH**
   HINT:
   Perform the same procedure for the RH side as for the LH side.
10. **REMOVE FRONT STABILIZER LINK ROD(See page SP-14)**
11. **DISCONNECT FRONT SUSPENSION LOWER ARM NO. 1 LH(See page DS-5)**
12. **DISCONNECT FRONT SUSPENSION LOWER ARM NO. 1 RH**
    HINT:
    Perform the same procedure for the RH side as for the LH side.
13. **DISCONNECT FRONT AXLE HUB LH(See page DS-5)**
14. **DISCONNECT FRONT AXLE RH**
    HINT:
    Perform the same procedure for the RH side as for the LH side.
15. **REMOVE FRONT DRIVE SHAFT ASSEMBLY LH(See page DS-6)**
16. **REMOVE FRONT DRIVE SHAFT ASSEMBLY RH**
    HINT:
    Perform the same procedure for the RH side as for the LH side.
17. **REMOVE FRONT SUSPENSION CROSS MEMBER LWR(See page PR-3)**
18. **REMOVE FRONT PROPELLER SHAFT ASSEMBLY (See page PR-3)**
19. **SUPPORT FRONT DIFFERENTIAL CARRIER ASSEMBLY**
    (a) Support the front differential carrier assembly with a transmission jack.
    NOTICE:
    As the front differential carrier assembly is heavy, be sure that it is securely supported with the transmission jack.

DF



20. REMOVE FRONT DIFFERENTIAL CARRIER ASSEMBLY

(a) Remove the bolt and disconnect front differential mount cushion No. 1 from the front suspension cross member.



(b) Remove the 2 bolts, then remove the front differential carrier assembly (with bracket).

NOTICE:

- **Do not lose the front differential carrier assembly.**
- **When removing the front differential carrier assembly, there is a possibility of leakage of residual oil.**

21. REMOVE FRONT DIFFERENTIAL CARRIER SUPPORT BRACKET

(a) Remove the 4 bolts, then remove the front differential carrier support bracket from the front differential carrier.

22. REMOVE FRONT DIFFERENTIAL MOUNT CUSHION NO. 1

(a) Remove the 3 bolts, then remove front differential mount cushion No. 1 from front differential mount No. 1.

23. REMOVE FRONT DIFFERENTIAL BRACKET RR

(a) Remove the 7 bolts, then remove the front differential bracket RR from the front differential carrier.

DISASSEMBLY

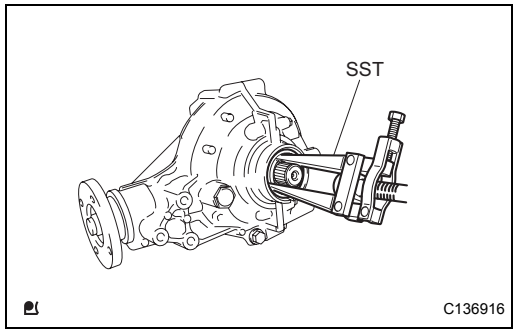
1. REMOVE FRONT DIFFERENTIAL CARRIER COVER BREATHER PLUG

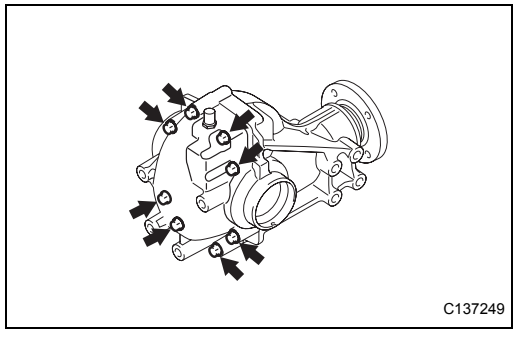
(a) Remove the breather plug from the carrier plug.

2. REMOVE DIFFERENTIAL SIDE OIL SEAL

(a) Using the SST, remove the right and left side gear shaft oil seal.

SST 09308-00010





3. REMOVE FRONT DIFFERENTIAL CARRIER COVER

(a) Remove the 8 bolts.

(b) Using a brass bar and a hammer, lightly tap on the differential carrier cover to remove it.

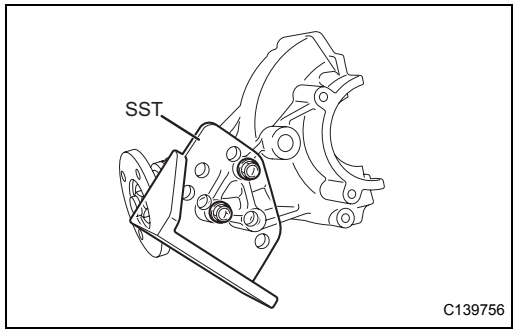
NOTICE:

- **Place the brass bar against the ribs of the carrier cover.**
- **Do not damage the contact surfaces of the differential carrier.**

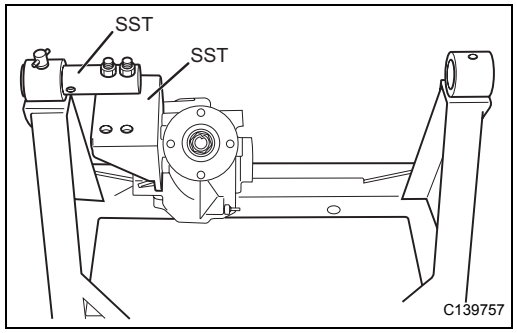
4. SECURE DIFFERENTIAL CARRIER ASSEMBLY

SST 09219-87701, 09219-87202

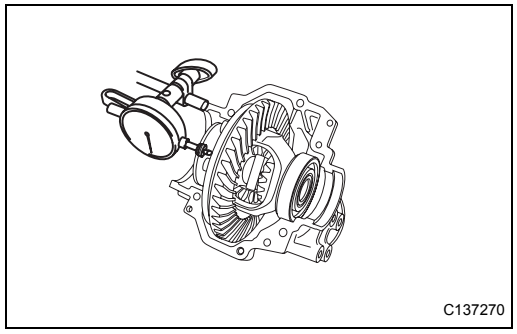
DF



(a) Install the SST to the front differential carrier assembly.



(b) Secure the front differential carrier assembly to the SST.



5. INSPECT RUNOUT OF DIFFERENTIAL RING GEAR

(a) Install a dial indicator at a right-angle to the back side of the ring gear.

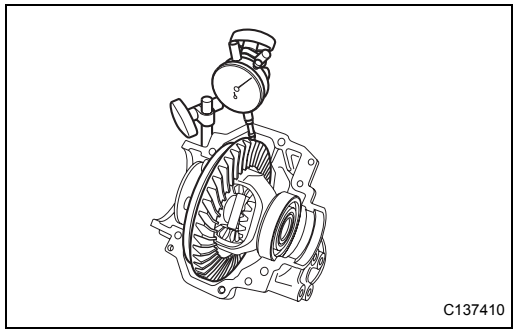
(b) Check the runout of the ring gear by turning the companion flange FR.

Maximum limit:

0.10 mm

HINT:

If the runout exceeds the specified maximum value, remove the ring gear and check the case runout.



6. INSPECT DIFFERENTIAL RING GEAR AND DIFFERENTIAL DRIVE PINION BACKLASH

(a) Install a dial indicator at a right-angle to the edge of the tooth surface of the ring gear.

(b) Secure the companion flange FR by hand, and move the ring gear to check the backlash.

Standard:

0.10 to 0.17 mm

NOTICE:

Check the backlash at 3 or more locations on the ring gear circumference.

7. REMOVE DIFFERENTIAL CASE NO. 1

(a) Remove rear differential case assembly and the shim.

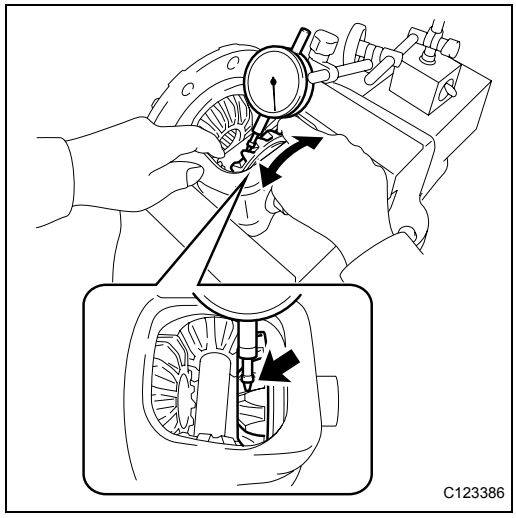
8. INSPECT FRONT DIFFERENTIAL SIDE GEAR BACKLASH

(a) Secure the differential case in a vise.

NOTICE:

Do not tighten the vise too firmly.

DF

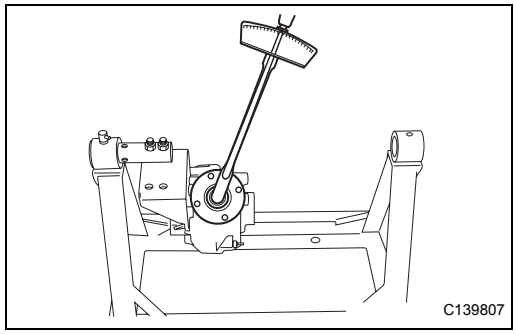


(b) Install a dial indicator at a right-angle to the edge of the tooth surface of the side gear shaft.

(c) Secure the pinion gear to the differential case, and turn the side gear to check the side gear backlash.

Standard:

0.025 to 0.10 mm



9. INSPECT TOTAL PRELOAD

(a) Using a torque wrench and a deep socket wrench, inspect the total preload (activation torque) while the drive pinion and ring gear teeth are in contact.

Standard:

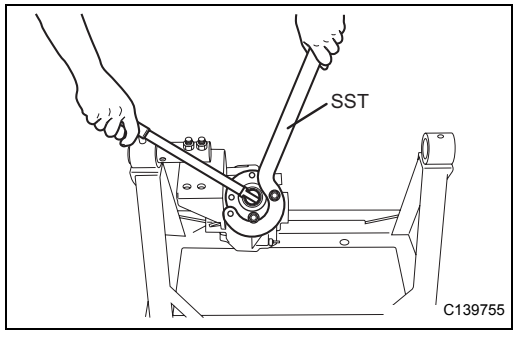
T = 0.69 to 1.07 N*m (7.04 to 10.9 1kgf*cm)

10. REMOVE DRIVE PINION COMPANION FLANGE NUT

SST 09330-00021, 09213-58013

(a) Using a chisel and a hammer, unstake the lock nut.

(b) Using the SST, secure the companion flange FR.



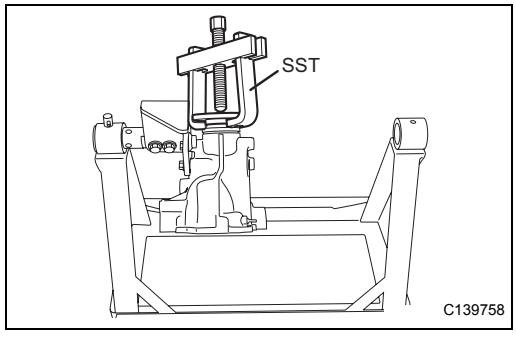
(c) Using a deep socket wrench, remove the companion flange nut.

NOTICE:

- **When removing the nut, completely unstake it.**
- **Do not damage the threads of the drive pinion.**

11. REMOVE FRONT DRIVE PINION COMPANION FLANGE FR

SST 09510-87301

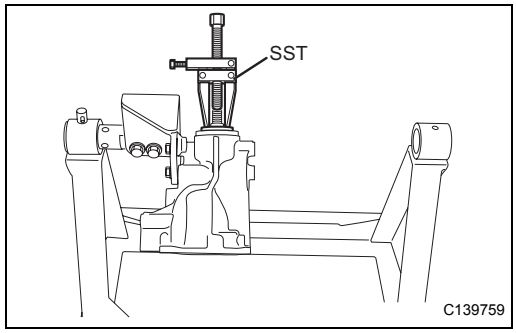


(a) Using the SST, remove the companion flange FR.

NOTICE:

Apply grease to the threads and tip of the SST center bolt before use.

DF



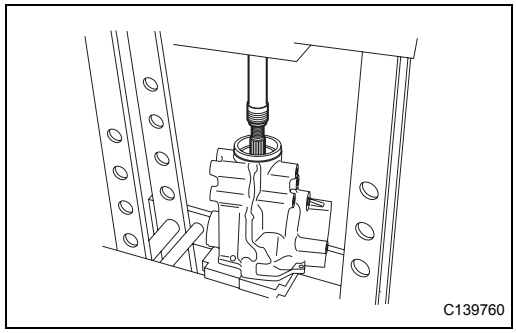
12. REMOVE FRONT DIFFERENTIAL CARRIER OIL SEAL

(a) Using the SST, remove the oil seal.

SST 09308-10010

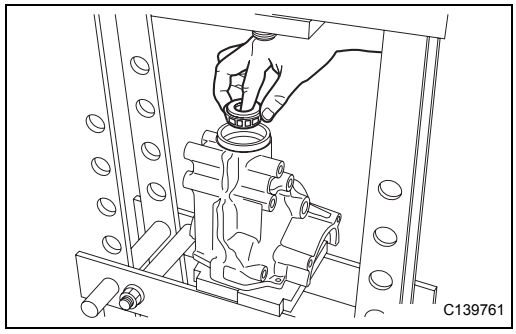
NOTICE:

Apply grease to the threads and tip of the SST center bolt before use.



13. REMOVE DIFFERENTIAL DRIVE PINION

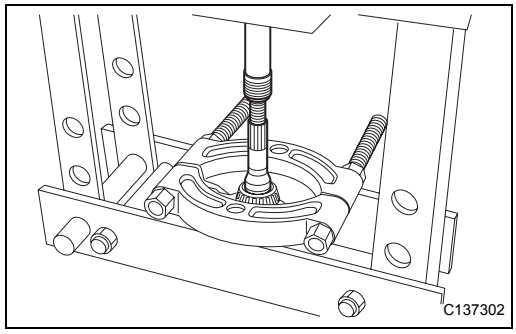
(a) Using a press, remove the differential drive pinion.



14. REMOVE FRONT DRIVE PINION TAPERED ROLLER BEARING RR

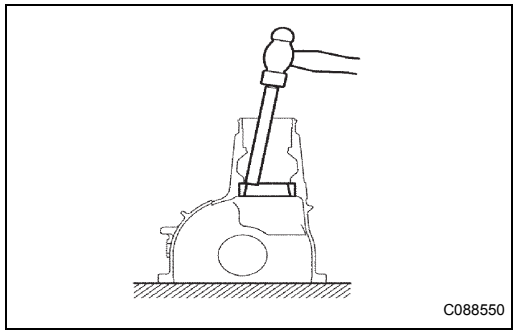
(a) Remove the tapered roller bearing RR (inner race) from the differential carrier.

(b) Remove the drive pinion bearing spacer and shim.



15. REMOVE FRONT DRIVE PINION TAPERED ROLLER BEARING FR

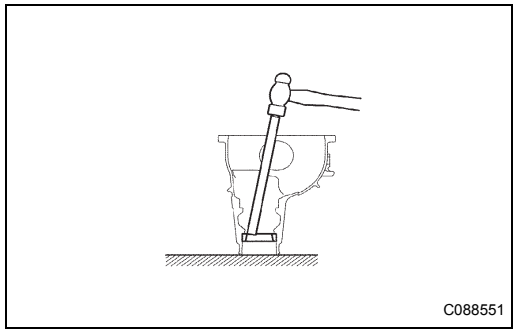
(a) Using the SST and a press, remove the tapered roller bearing FR (inner race) from the drive pinion.



16. REMOVE FRONT DRIVE PINION TAPERED ROLLER BEARING FR

(a) Using a brass bar and a hammer, lightly and uniformly tap on the tapered roller bearing FR (outer race) to remove it.

DF



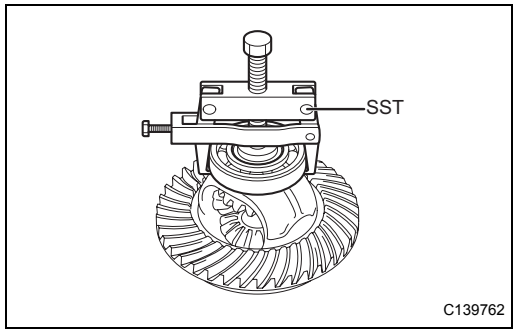
17. REMOVE FRONT DRIVE PINION TAPERED ROLLER BEARING RR

(a) Using a brass bar and a hammer, lightly and uniformly tap on the tapered roller bearing RR (outer race) to remove it.

18. REMOVE FRONT DIFFERENTIAL CASE BEARINGS

SST O9502-10012

(a) Remove the shim.



(b) Using the SST, remove the LH side bearing and the RH side bearing.

NOTICE:

As a reference for assembly, the shims should be stored separately in for the ring gear back side and tooth side.

NOTICE:

- **Apply grease to the threads and tip of the SST center bolt before use.**

19. REMOVE DIFFERENTIAL RING GEAR

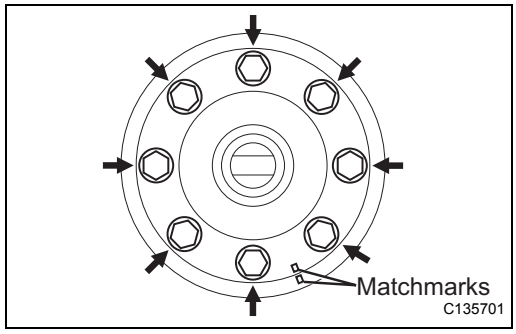
(a) Secure the differential case in the vise between aluminum plates.

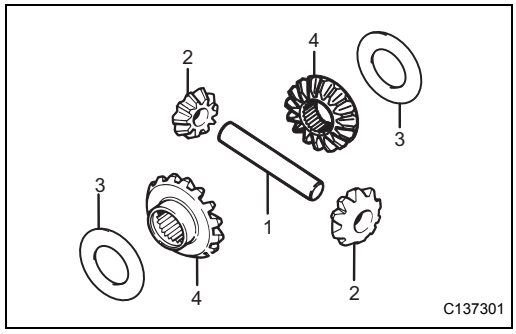
NOTICE:

Do not tighten the vise too firmly.

(b) Put match marks on the ring gear and the differential case.

(c) Remove the 8 bolts.





20. DISASSEMBLE THE DIFFERENTIAL CASE ASSEMBLY

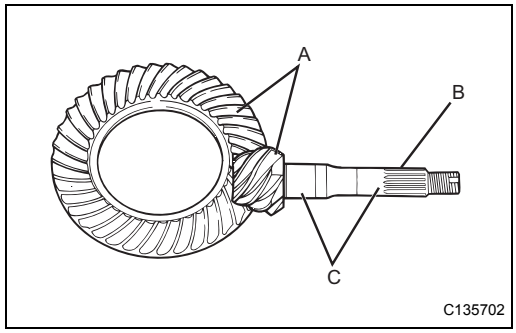
(a) Remove the parts listed below from the differential case assembly.

NOTICE:

- **When removing the parts, identify the installation position on the case differential.**
- **Store the gear and washer differential side gear thrust as a set.(Do not mix up the gears and washer differential side gear thrusts.)**

(1) Differential pinion shaft (1 in the diagram)
(2) Differential pinion gear (2 pieces) (2 in the diagram)
(3) Front differential side gear thrust washer No. 1 (2 pieces) (3 in the diagram)
(4) Differential side gear (2 pieces) (4 in the diagram)

DF



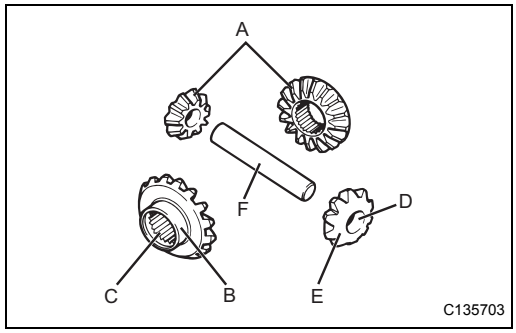
21. INSPECT DIFFERENTIAL CASE ASSEMBLY

(a) Pinion differential drive, gear differential ring

(1) Visually inspect parts (A), (B), and (C) as shown in the diagram.

Standard:

There is no notable wear or damage.

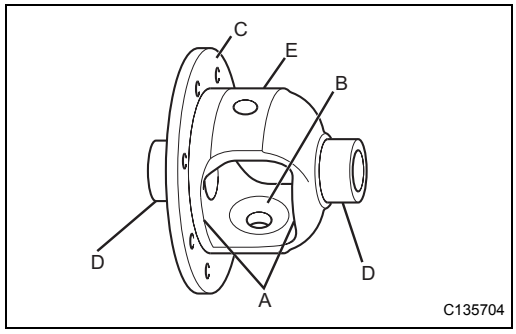


(b) Shaft differential pinion, pinion differential, gear differential side

(1) Visually inspect parts (A), (B), (C), (D), (E), and (F) as shown in the diagram.

Standard:

There is no notable wear or damage.



(c) CASE DIFFERENTIAL

(1) Visually inspect parts (A), (B), (C), (D), and (E) as shown in the diagram.

Standard:

There is no notable wear or damage.

REASSEMBLY

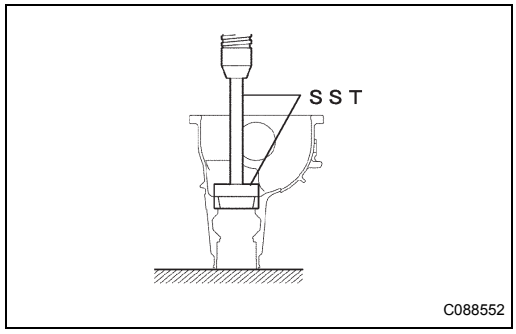
1. INSTALL FRONT DRIVE PINION TAPERED ROLLER BEARING FR

SST 09950-60010

(a) Using the SST and a press, press in the tapered roller bearing FR (outer race).

2. INSTALL FRONT DRIVE PINION TAPERED ROLLER BEARING RR

SST 09950-60010



(a) Using the SST and a press, press in the tapered roller bearing RR (outer race).

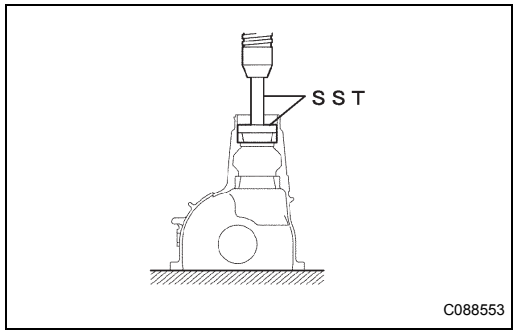
3. INSTALL DIFFERENTIAL DRIVE PINION

SST 09257-87202, 09330-87301, 09530-87504, 09350-87202

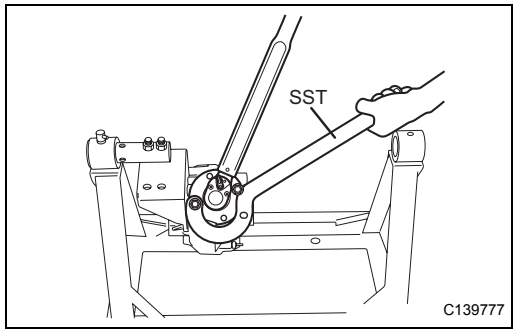
(a) Install the tapered roller bearing.

(b) Install the SST.

(c) Install the companion flange and plate washer.

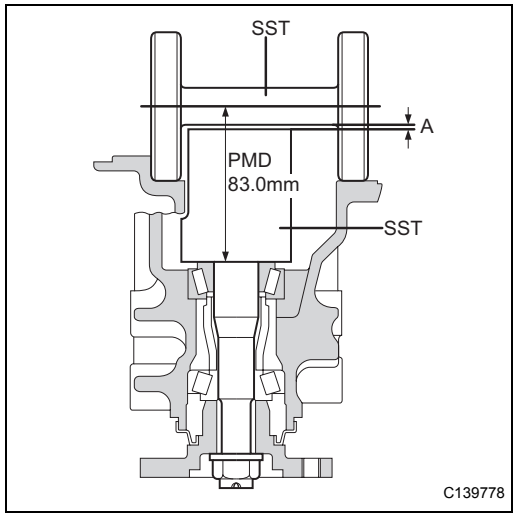


DF



(d) Using the SST, tighten the lock nut to the specified torque.
Torque: 118 N*m (1200 kgf*cm)

(e) Install the SST.

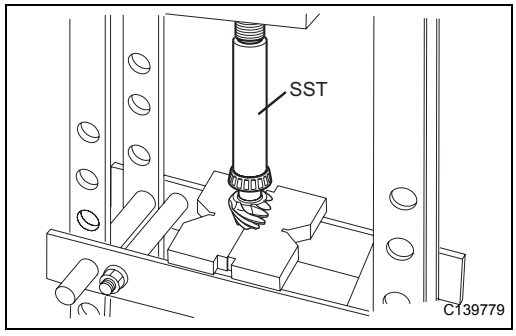


(f) Select the shims so that (A) in the diagram becomes the standard value.
Standard:
0.5 ± 0.05 mm
HINT:
PMD (pinion mounting distance)
HINT:
Shim Selection Table (for adjustment of differential drive pinion protrusion)

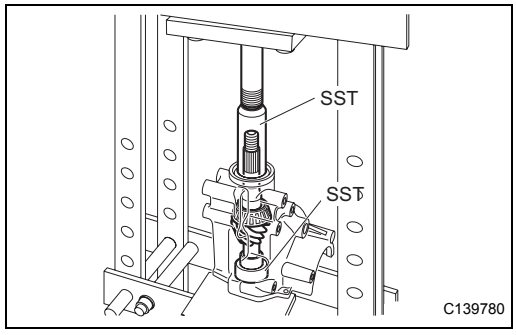
Product Number	Thickness (mm)
90045-64318	0.15
90045-64319	0.20
90045-64320	0.25
90045-64321	0.50

(g) Remove the lock nut.

(h) Remove the plate washer and companion flange.

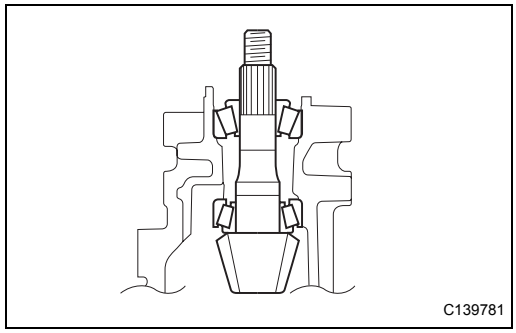


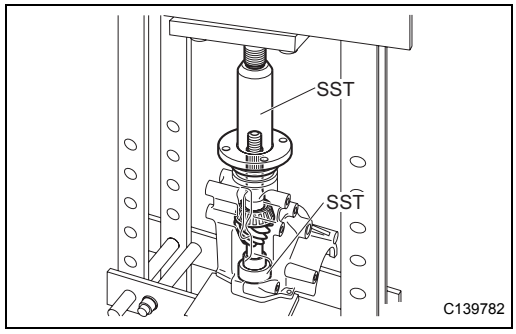
(i) Using the SST, install the tapered roller bearing into the pinion.
NOTICE:
- **Press in the bearing by pushing its inner side.**
- **If either the front or rear bearing is damaged, replace them both as a set.**
- **When replacing the drive pinion, replace it with the ring gear as a set.**



(j) Using the SST and a press, install the pinion to the differential carrier.
NOTICE:
Do not install the bearing spacer and shim (for preload adjustment).

DF


C139781



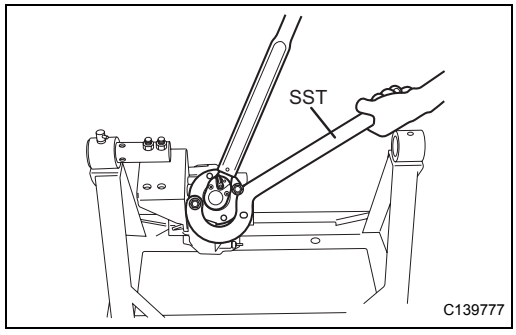
C139782

(k) Using the SST and a press, install the companion flange.
NOTICE:
Do not assemble the type T oil seal.

(l) Install the plate washer and lock nut.

(m) To work in the bearing, turn the flange several times forward and backward.

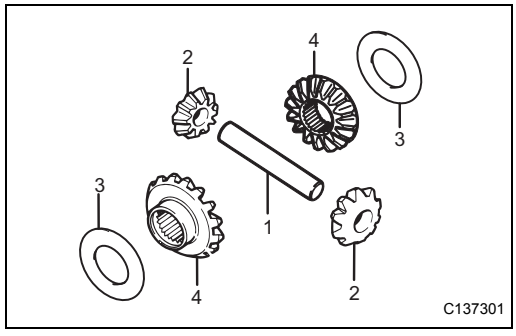
4. ADJUST DIFFERENTIAL DRIVE PINION PRELOAD
SST 09330-87301



C139777

(a) Using the SST and a torque wrench, gradually tighten the lock nut to the preload standard.
Standard:
0.59 to 0.98 N*m (6.0 to 10.0 kgf*cm)

5. INSTALL FRONT DIFFERENTIAL CASE
NOTICE:
- **When installing the side gear thrust washer No. 1, side gear, pinion gear, or other parts, make sure that there is no dirt or foreign matter on the parts, such as dust or cutting powder.**
- **When replacing either the side gear or the pinion gear, be sure to replace the side gear and the pinion gear together as a set.**
- **Apply gear oil to the rotating and moving parts.**



C137301

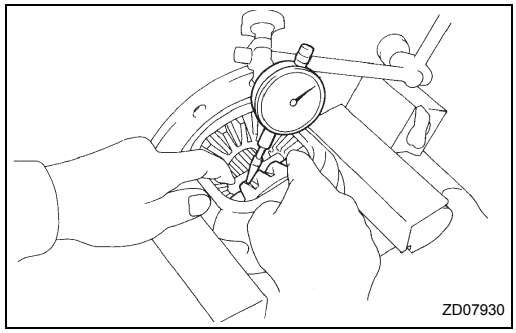
(a) Install the parts listed below to the the differential case.
HINT:
- Differential pinion shaft (1 in the diagram)
- Differential pinion gear (2 pieces) (2 in the diagram)
- Front differential side gear thrust washer No. 1 (2 pieces) (3 in the diagram)
- Differential side gear (2 pieces) (4 in the diagram)

(1) Apply oil to the differential side gear and side gear thrust washer No. 1 and install them to the differential case.

(2) Apply oil to the differential pinion and install it to the differential case.

(3) Apply oil to the differential pinion shaft and insert it into the differential case.
Lubricants:
Differential hypoid gear oil SAE80W-90 (API category GL5)

DF



(b) Install a dial indicator at a right-angle to the edge of the tooth surface of the pinion gear.

(c) Secure the drive pinion against the differential case, and check the backlash.

Standard:

0.025 to 0.10 mm

(d) Use the same-sized side gear thrust washer No. 1 in order to be able adjust the backlash of the side gear to within the standard value and to ensure that the gear rotates smoothly.

HINT:

Slide Gear Thrust Washer No. 1 Types

Product Number	Thickness (mm)
41361-87501	0.80
41361-87705	0.85
41361-87506	0.90
41361-87507	1.00

6. INSTALL DIFFERENTIAL RING GEAR

(a) Wipe off any grease or moisture from the ring gear contact surface of the differential case.

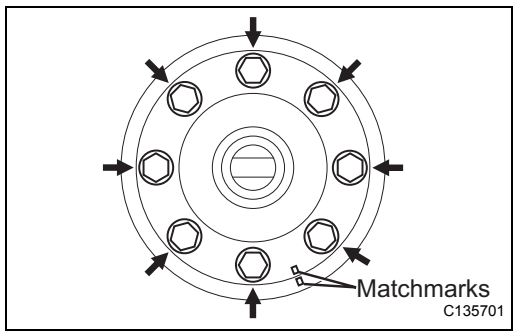
(b) Secure the differential case in the vise between aluminum plates.

NOTICE:

Do not tighten the vise too firmly.

(c) Clean the threaded holes of the differential case.

(d) Wipe off any grease or moisture from the ring gear (contact surface of the differential case).



(e) Align the match marks on the differential case and the ring gear, and install the ring gear.

NOTICE:

Align the bolt holes of the differential case and the threaded holes of the ring gear.

(f) Tighten the 8 set bolts.

Torque: 83.4 N*m (849 kgf*cm)

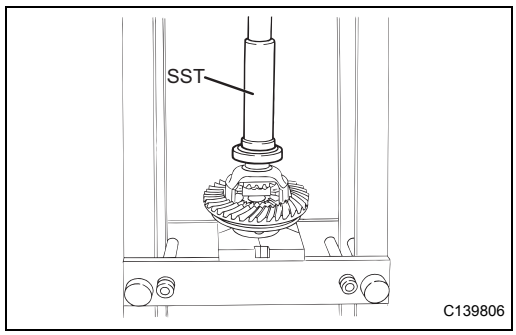
NOTICE:

- **Wait until the ring gear has fully cooled off before tightening the bolts.**
- **Tighten the bolts in cross-diagonal order. Tighten gradually in several passes..**

DF

7. INSTALL FRONT DIFFERENTIAL CASE

SST 09309-87201



(a) Using the SST and a press, press the LH and RH bearings into the differential case.

CAUTION:

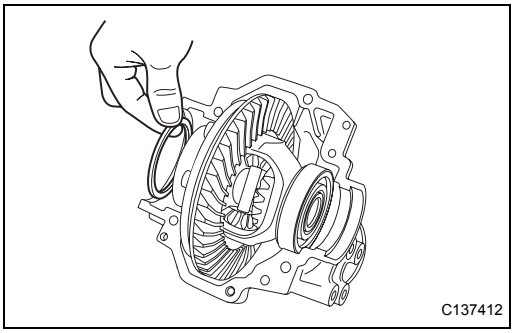
If the bearing is damaged, replace it with new one.

NOTICE:

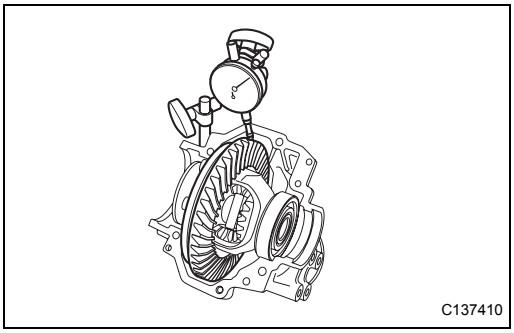
- **Align the SST with the center of the differential case.**

8. INSTALL DIFFERENTIAL CASE ASSEMBLY

(a) Install the differential case to the differential carrier.


C137412

(b) Install using the same parts as those disassembled when removing only the shims for the back side of the gear differential ring.
HINT:
Check the shims. If the shims are worn or scratched, install a new shim of the same thickness.


C137410

9. ADJUST DIFFERENTIAL RING GEAR AND DIFFERENTIAL DRIVE PINION BACKLASH

(a) Set the dial indicator at a right-angle to the gear.
(b) Secure the flange S/A drive pinion companion, and move the gear to measure the backlash.
NOTICE:
Apply hypoid gear oil to each part.
Standard:
0.10 to 0.17 mm
HINT:
Select and install a shim so that the backlash of the ring gear falls within the range of standard values.

Front Differential Case Shim Types

Product Number	Thickness (mm)
90045-64598	1.30
90045-64599	1.35
90045-64600	1.40
90045-64601	1.45
90045-64602	1.50
90045-64603	1.55
90045-64604	1.60
90045-64605	1.65
90045-64606	1.70
90045-64607	1.75
90045-64608	1.80

10. DIFFERENTIAL CASE NO. 1 (PLAY ADJUSTMENT)

(a) Measure the play of the differential carrier and the radial ball bearing on the differential ring gear tooth surface side.
HINT:
Select shims (for use in the direction of the differential case thrust) so that the play is within the specified value.

DF

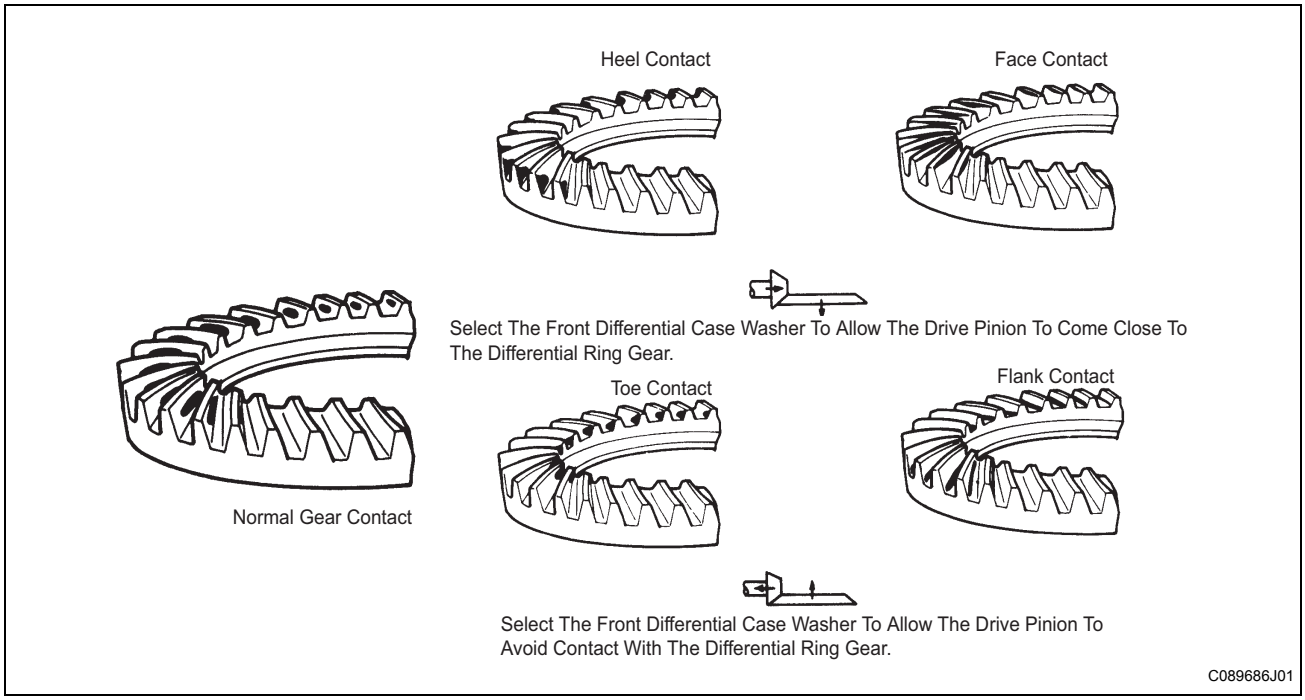
Front Differential Case Shim Types

Product Number	Thickness (mm)
90045-64598	1.30
90045-64599	1.35
90045-64600	1.40
90045-64601	1.45
90045-64602	1.50
90045-64603	1.55
90045-64604	1.60
90045-64605	1.65

Product Number	Thickness (mm)
90045-64606	1.70
90045-64607	1.75
90045-64608	1.80

11. INSPECT TOOTH CONTACT BETWEEN DIFFERENTIAL RING GEAR AND DRIVE PINION

(a) Apply a light coat of red primer uniformly to the tooth surface side of the ring gear, and turn the ring gear several times forward and backward. The pattern of the red primer indicates the tooth contact position.


Heel Contact
Face Contact
Select The Front Differential Case Washer To Allow The Drive Pinion To Come Close To The Differential Ring Gear.
Toe Contact
Flank Contact
Normal Gear Contact
Select The Front Differential Case Washer To Allow The Drive Pinion To Avoid Contact With The Differential Ring Gear.
C089686J01

NOTICE:

Check the contact state at 4 locations on the differential ring gear circumference.

(b) If the tooth alignment is off, use the appropriate shim selected from the table to adjust the drive pinion protrusion and re-install.

NOTICE:

In the case of face contact or flank contact, the error may be adjustable within the range of standard backlash values.

HINT:

Shim Selection Table (for differential drive pinion protrusion adjustment)

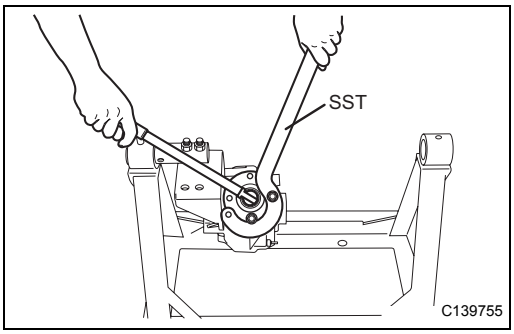
Product Number	Thickness (mm)
90045-64318	0.15
90045-64319	0.20
90045-64320	0.25
90045-64321	0.50

12. REMOVE DIFFERENTIAL CASE NO.1

(a) Remove rear differential case No. 1 and the shim.

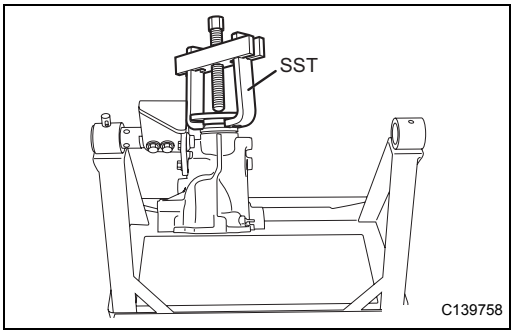
13. REMOVE FRONT DRIVE PINION COMPANION FLANGE FR

SST 09330-87301, 09510-87301

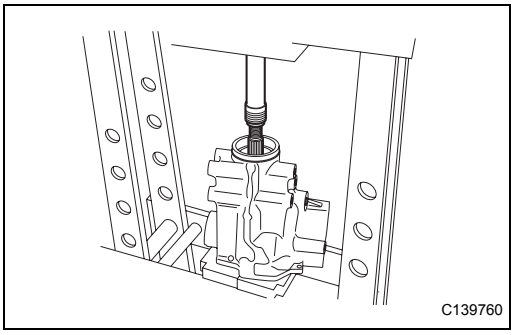


(a) Using the SST, secure the companion flange FR.

(b) Remove the lock nut and the plate washer.

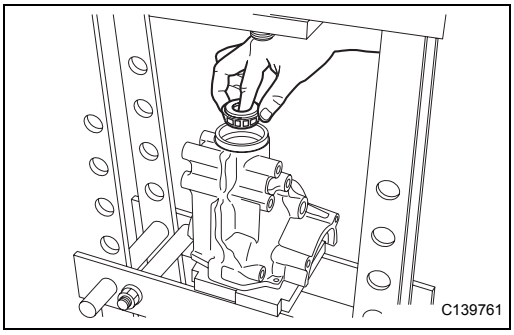


(c) Using the SST, remove the companion flange FR.
NOTICE:
Apply grease to the threads and tip of the SST center bolt before use.



14. REMOVE DIFFERENTIAL DRIVE PINION

(a) Using a press, remove the differential drive pinion.



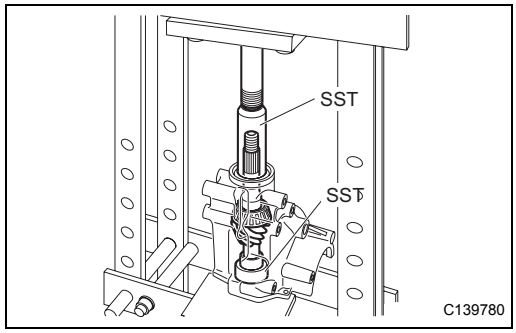
(b) Remove the tapered roller bearing from the differential carrier.

15. INSTALL REAR DIFFERENTIAL DRIVE PINION BEARING SPACER

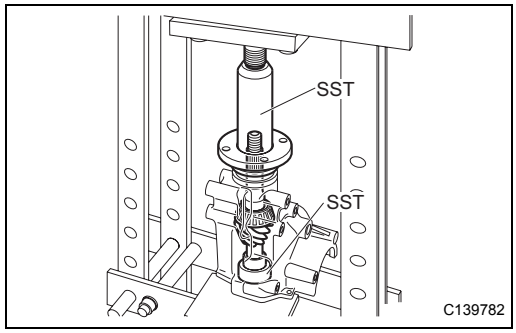
(a) Install a new bearing spacer and shim (same as the one removed) to the drive pinion.
HINT:
Check the shims. If the shims are worn or scratched, install a new shim of the same thickness.

16. INSTALL DIFFERENTIAL DRIVE PINION
SST 09330-87301, 09257-87202, 09350-87202

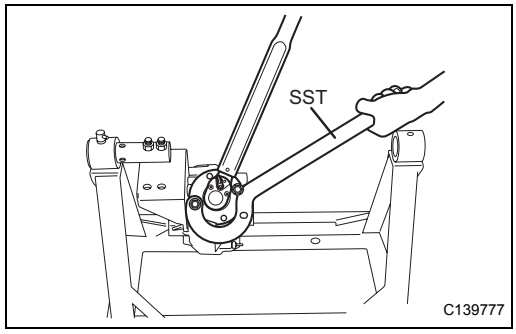
DF



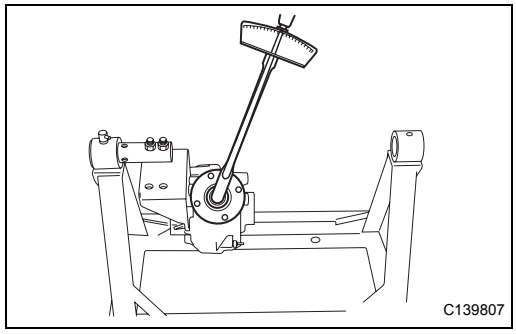
(a) Using SST and a press, install the differential drive pinion.



(b) Using SST, install the companion flange.



(c) Using the SST and a torque wrench, tighten the lock nut.
Torque: 118 N*m (1200 kgf*cm)



17. MEASURE DIFFERENTIAL DRIVE PINION PRELOAD

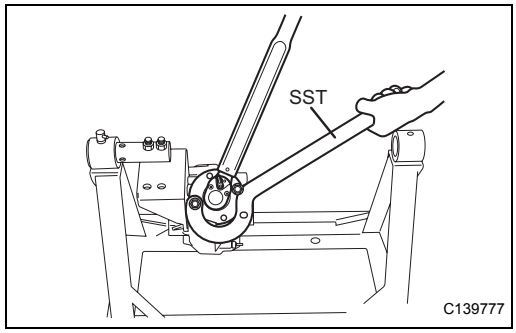
(a) Measure the preload of the drive pinion. If the preload is not within the specified range, select a shim (for preload adjustment) and adjust.

Product Number	Thickness (mm)
90045-64533	1.65
90045-64534	1.70
90045-64535	1.75
90045-64536	1.80
90045-64537	1.85
90045-64538	1.90
90045-64539	1.95
90045-64540	2.00
90045-64541	2.05
90045-64542	2.10
90045-64543	2.15
90045-64544	2.20
90045-64545	2.25
90045-64546	2.30
90045-64547	2.35

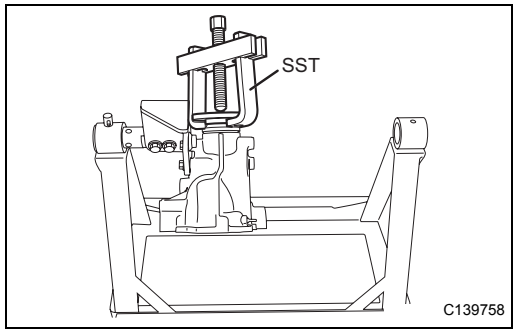
Product Number	Thickness (mm)
90045-64548	2.40
90045-64549	2.45

18. REMOVE FRONT DRIVE PINION COMPANION FLANGE FR
SST 09330-87301, 09510-87301

(a) Using the SST, remove the lock nut and the plate washer.



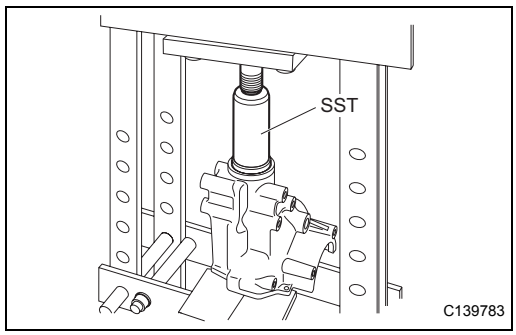
(b) Using the SST, remove the companion flange.



19. INSTALL FRONT DIFFERENTIAL CARRIER OIL SEAL
SST 09636-20010

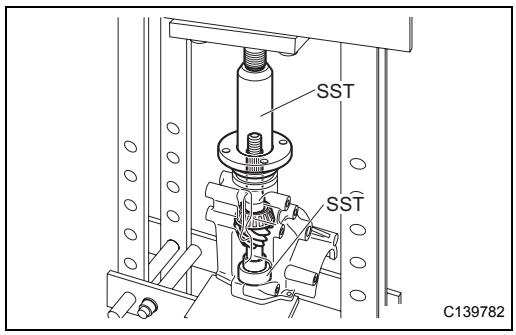
(a) Apply MP grease No. 2 to the lip of the carrier oil seal.

(b) Using the SST and a press, tap in a new carrier oil seal. Make sure that the seal is installed to the standard value.
Standard:
0.5 ± 0.5 mm (from the carrier end face)

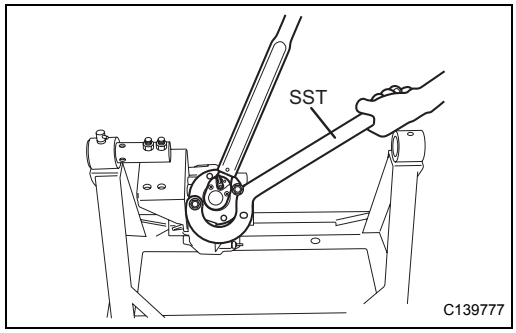


20. INSTALL FRONT DRIVE PINION COMPANION FLANGE FR
SST 09257-87202, 09330-87301, 09350-87202

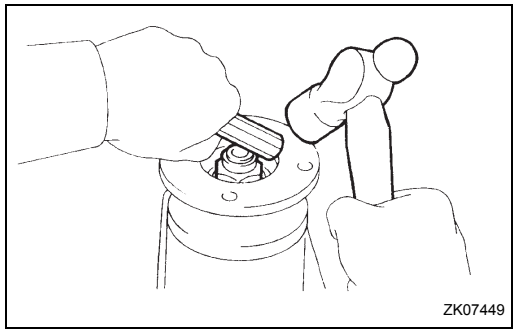
(a) Using the SST and a press, install the companion flange.



DF



(b) Using the SST and a torque wrench, tighten the lock nut.
Torque: 118 N*m (1200 kgf*cm)



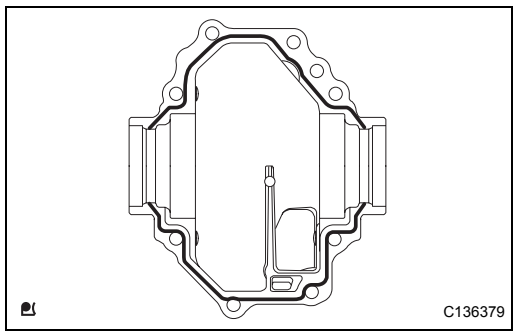
(c) Using a chisel and a hammer, stake the companion flange nut.

21. INSTALL DIFFERENTIAL CASE NO. 1

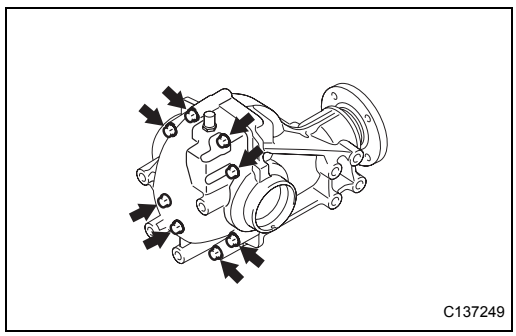
(a) Install differential case No. 1 and the shim to the differential carrier.

22. INSTALL DIFFERENTIAL CARRIER COVER

(a) Using a scraper and wire brush, clean the liquid gasket attached to the differential carrier and the differential carrier cover. Then remove any oils using cleaning fluid or equivalent.



(b) Apply the liquid gasket to the cover, and install the cover to the differential carrier. Make sure that there are no gaps in the liquid gasket before installing the cover to the carrier.
NOTICE:
- **If the liquid gasket dries before the cover is installed, remove and re-apply the liquid gasket.**
- **After installing the cover to the differential carrier, wait at least 1 hour before filling with oil or driving the vehicle. In addition, avoid rapid acceleration/ deceleration for at least 12 hours.**
- **Before the liquid gasket dries, install the differential side oil seal. (See procedure 23.)**



(c) Using the 8 bolts, install the differential carrier cover.
Torque: 20.6 N*m (210 kgf*cm)

23. INSTALL DIFFERENTIAL SIDE OIL SEAL
SST 09636-20010

(a) Apply MP grease No. 2 to the lip of the carrier oil seal.

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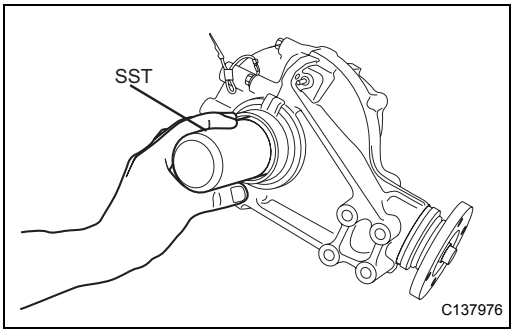
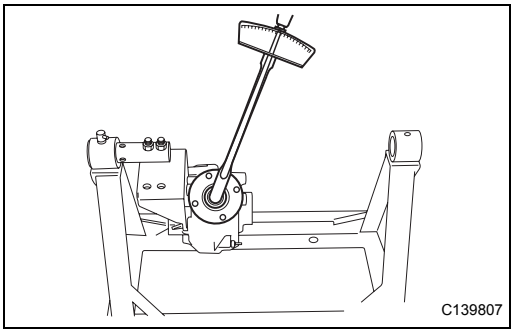


(b) Using the SST and a hammer, drive in a new carrier oil seal up to the edge surface of the seal attachment part.



24. INSPECT TOTAL PRELOAD

(a) Using a torque wrench and a deep socket wrench, inspect the total preload (activation torque) while the drive pinion and ring gear teeth are in contact.

Standard:

0.69 to 1.07 N*m (7.03 to 10.9 kgf*cm)

25. INSTALL FRONT DIFFERENTIAL CARRIER COVER BREATHER PLUG

(a) Install the breather plug to the carrier cover.

Torque: 11.3 N*m (115 kgf*cm)

INSTALLATION

1. INSTALL FRONT DIFFERENTIAL BRACKET RR

(a) Using the 7 bolts, install the front differential bracket RR to the front differential carrier.

Torque: 76 N*m (775 kgf*cm)

2. INSTALL FRONT DIFFERENTIAL MOUNT CUSHION NO. 1

(a) Using the 3 bolts, install front differential mount cushion No. 1 to front differential mount No. 1.

Torque: 76 N*m (775 kgf*cm)

3. INSTALL FRONT DIFFERENTIAL CARRIER SUPPORT BRACKET

(a) Using the 4 bolts, install the front differential carrier support bracket to the front differential carrier.

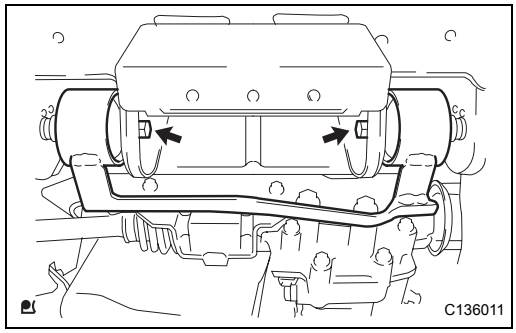
Torque: 76 N*m (775 kgf*cm)

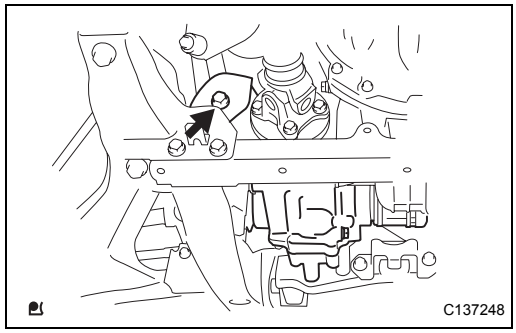
4. SUPPORT FRONT DIFFERENTIAL CARRIER ASSEMBLY

(a) Using the transmission to support the front differential carrier assembly (with bracket), lift up to the installation position.

NOTICE:

- **As the front differential carrier assembly is heavy, be sure that it is securely supported with the transmission jack.**
- **Do not damage the attachment surfaces when installing the front differential carrier assembly.**
- **Do not lose the front differential carrier assembly.**





5. INSTALL FRONT DIFFERENTIAL CARRIER ASSEMBLY

(a) Using the 2 bolts, install the front differential carrier support bracket to the front suspension cross member.
Torque: 41.7 N*m (425 kgf*cm)

(b) Using the 2 bolts, install the front differential mount cushion No. 1 to the front suspension cross member.
Torque: 41.7 N*m (425 kgf*cm)

6. INSTALL FRONT PROPELLER SHAFT ASSEMBLY(See page PR-4)

7. INSTALL FRONT SUSPENSION CROSS MEMBER LWR(See page PR-4)

8. INSTALL FRONT DRIVE SHAFT ASSEMBLY LH(See page DS-10)

9. INSTALL FRONT DRIVE SHAFT ASSEMBLY RH
HINT:
Perform the same procedure for the RH side as for the LH side.

10. INSTALL FRONT AXLE HUB LH(See page DS-10)

11. INSTALL FRONT AXLE HUB RH
HINT:
Perform the same procedure for the RH side as for the LH side.

12. CONNECT FRONT SUSPENSION LOWER ARM NO. 1 LH(See page DS-10)

13. CONNECT FRONT SUSPENSION LOWER ARM NO. 1 RH
HINT:
Perform the same procedure for the RH side as for the LH side.

14. INSTALL FRONT STABILIZER LINK ROD (See page SP-15)

15. CONNECT TIE ROD END LH(See page DS-10)

16. CONNECT TIE ROD END RH
HINT:
Perform the same procedure for the RH side as for the LH side.

17. INSTALL FRONT AXLE HUB NUT LH(See page DS-10)

18. INSTALL FRONT AXLE HUB NUT RH
HINT:
Perform the same procedure for the RH side as for the LH side.

19. INSTALL FRONT DISC

20. ADD DIFFERENTIAL OIL
(See page DF-3)

21. INSTALL ENGINE UNDER COVER RR RH (WITH ENGINE UNDERCOVER RR RH)

22. INSTALL ENGINE UNDER COVER RR LH (WITH ENGINE UNDERCOVER RR LH)

23. INSTALL ENGINE UNDER COVER

24. INSTALL FRONT TIRE
Torque: 103 N*m (1050 kgf*cm)